

Section 1 – Identification of the substance/preparation and the company

Product Name:	DONAGHYS TRIVAL SHEEP
Company:	Donaghys Ltd
Address:	16 Sheffield Crescent PO Box 20 449 Christchurch
Telephone Number:	0800 942 006
Manufacturer Product Code:	
Recommended Use:	For the treatment and control of all major gastrointestinal parasites in sheep, including strains with single or dual resistance to benzimidazole, levamisole/morantel and avermectin/milbemycin families. Also treats and controls lungworm, itch mite, tapeworm, larval stages of nasal bot, and aids in the control of adult liver fluke infection in sheep. Provides a supplemental source of copper, selenium, zinc, iodine and cobalt.

Section 2 – Hazard Identification

Hazard Classes:



6.1D	Acute toxicity (oral)
6.5B	Skin irritancy
6.6B	Eye irritancy
6.8B	Reproductive/ developmental toxicant
6.8C	Reproductive/ developmental toxicant (via lactation)
6.9B	Target organ/ system toxicity
9.1A	Aquatic toxicity
9.3C	Terrestrial vertebrate ecotoxicity
9.4B	Terrestrial invertebrate ecotoxicity

EPA NZ Approval Code: HSR008055

**Section 3 – Composition Information**

Chemical Entity	CAS No.	Content [%]
Abamectin	71751-41-2	1%
Levamisole HCL	16595-80-5	4%
Albendazole	54965-21-8	2.5%
Sodium selenate	13410-01-0	1.2%
Other active ingredients are Copper (8.3g/L), Zinc (1.6g/L), cobalt (1.0g/L), Iodine (0.95g/L)		

Section 4 – First Aid Measures

General Information:	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Remove soiled or soaked clothing immediately. If exposed or concerned, seek medical attention.
Skin Contact:	Remove all contaminated clothing, including footwear. Wash affected areas thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation persists. Take container / label or MSDS for identification.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, seek medical attention.
Ingestion:	Rinse mouth with water. Seek immediate medical assistance. Do not induce vomiting. Do not give fluids to dilute. Never give anything by mouth to an unconscious person. Take container / label or MSDS for identification.
Inhalation:	Remove patient to fresh air, avoid breathing vapours yourself. If not breathing apply resuscitation. Seek medical assistance. Take container / label or MSDS for identification.
Further Information:	Contact the National Poisons and Hazardous Chemicals Information centre in Dunedin, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.

Section 5 – Fire-fighting Measures

Extinguishing media and methods:	Sprayed water jet, foam, dry chemical powder CO ₂ and sand.
Recommended protective clothing:	Fire fighters should wear self contained breathing apparatus in enclosed areas.
Further Information:	Make provision for product and fire fighting water to be retained.



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Section 6 – Accidental Release Measures

Spill and leak procedure: Collect spillage. Avoid release into the environment. Do not empty into drains or waters. Take up spilled product with absorbent material (e.g. sawdust, peat, chemical binder). Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use damp cloth and bleach solution. Also place used cleaning materials into closable receptacles. Do not eat, drink or smoke during cleanup operation.

Further information: Decontaminate protective clothing with a solution of chlorine bleach.

Section 7– Handling and Storage

Handling: Obtain special instructions and read label before use. Do not handle until all safety precautions have been read and fully understood. Wash thoroughly after handling. Keep container tightly closed. Avoid breathing vapour, mist or spray.

Storage: Store locked up. Store in original container in a cool well ventilated locked place. Store away from water, food stuffs, feed or seed. Keep out of reach of children.

Section 8 – Exposure Controls/Personal Protection

Engineering measures: Use in well ventilated area
Respiratory Protection: Not usually required.
Hand Protection: Protective gloves for chemical use.
Eye Protection: Face shield or chemical safety goggles
Hygiene measures: Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Contaminated work clothing should not be allowed out of the workplace. Change badly soiled or soaked clothing. Clothing should consist of overalls with long sleeves and impervious gloves. Wash hands before breaks and at the end of work. Remove contaminated protective clothing. Keep away from food stuffs, drinks and tobacco. Women at risk of becoming pregnant, or in early pregnancy should not be directly involved in handling. Wash contaminated clothing before reuse.

Section 9 – Physical and Chemical Properties

Appearance: Blue to purple viscous and homogenous suspension
Odour: Specific odour
Specific Gravity: 1.0-1.2
pH: 4.1-5.28

Section 10 – Stability and Reactivity

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid: None.

Materials to Avoid: Store only in the container supplied. Use the recommended delivery equipment.



Hazardous Decomposition Products: None if stored and handled correctly

Section 11 – Toxicological Information

Acute toxicity: Acute toxicity results for the active (Albendazole)
LD50 (Oral) 500-1250mg/kg (Rabbit)
Potential skin sensitizer (Guinea pig)

Acute toxicity results for the active (Levamisole)
LD50 (Oral) 200mg/kg (rat and mouse)
LD50 (Contact) Cross reference to levamisole(CAS 14769-73-4)

Acute toxicity results for the active (Abamectin)
LD50 (Oral) 8.7-12.8mg/kg (Rat)

Skin irritation: Mild skin irritant
Eye irritation: Eye irritant
Further information: (Albendazole) no cumulative effect. An oral dose of 2-10 mg/kg/day for 90 days was well tolerated in dogs. Embryotoxicity was reported at the oral dose of 10 mg/kg bw in the first part of pregnancy in sheep.

Section 12 - Ecological Information

Do not allow product to escape into water ways, waste water or the soil environment. Albendazole is not toxic to birds, fish and honey bees. It does not bioaccumulate in animal systems. It does not leach into soils and is readily degraded by hydrolysis and microbial action. Levamisole does not bioaccumulate and is not toxic to birds, fish and honey bees. It does not leach into soils and is readily degraded by hydrolysis and microbial action.

Section 13 – Disposal Considerations

Disposal: Ensure product is not discharged to the environment. Recycle wherever possible. For disposal use a certified waste disposal company.

Section 14 – Transport Information

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID. N.O.S. (0.1% abamectin, selenium)
UN Number: 3082
Hazard Class: 9
Hazchem Code: 3Z
Packing Group: III
Flashpoint: >93°C
Marine pollutant: Yes
Hazardous substances regulations: Maximum quantity per package permitted on passenger service vehicles 1L



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Section 15 – Regulatory Information

EPA NZ Registration Code: HSR008055
See <http://www.epa.govt.nz> for approval conditions

NZFSA Approval Number: A011629
See www.foodsafety.govt.nz for registration conditions

Section 16 – Other Information

OSH(2002) – Workplace exposure Standards, effective 2002.
The information in this MSDS is provided in good faith, but no warranty, expressed or implied is made. Contact Donaghys Ltd for more information.

EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre).